



**Figure 1.** DSC thermogram of different  $\epsilon$ -caprolactone and L-lactide based polyurethanes. a: Butanediisocyanate terminated copolymer prepolymer, chain extended with butanediol. b: Copolymer chain extended with butanediisocyanate end-capped butanediol block. c: 1,4-Butanediisocyanate terminated copolymer prepolymer, chain extended with butanediol end-capped 1,4-butanediisocyanate block.